AMENDED

APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE STATE OF NEVADA HERETOFORE APPROPRIATED

Dota	AUG of filing in State Engineer's Office	1 1 1988			
	SEP 16	1988			
	rected application filedSEP 2.7			OCT 13 1988 under	
	The applicant OXBOW GEOTHERMA	L CORPORAT	TION		
20	0 S. Virginia St., Suite	450of	Reno	City or Town	
Ne	Street and No. or P.O. Box No. vada 89501 State and Zip Code No.	<u>-</u>			
	int of Diversion and Plac Point of Vater heretofore appropriated under			Proof or Claim Nos. If Decreed, give	
identi	fy right in Decree.)				
	The source of water is Dixie Vall	Name of stream	n, lake, underground s	pring or other source.	
	The amount of water to be changed				
3.	The water to be used for	Industi gation, power, mining, in	CLAL ndustrial, etc. If for st	ock state number and kind of animals	5.
4.	The water heretofore permitted for	Industi	rial ning, industrial, etc. I	f for stock state number and kind of	animals.
5.	The water is to be diverted at the following	ng point With	in the NE	NE' Section 7,	T24N
	R37E MDBM, or at a point distance to a section corner. If on unsurveyed land, it shows		=		
	7, T24N R37E, MDBM bears.				
6.	The existing permitted point of diversion			,	37E
7.	MDB&M, or at a point from R37E MDB&M bears, N 05° Proposed place of use NE½ of Sections	54' 38" E	a distand	ce of 13, 640.4	feet
8.	Existing place of use Section 32. Describe by legal 17, 18, 19, 20, 21, T241 manner of use of irrigation permit, describe acreage to be MDB&M	N R37E MDB removed from irrigation	&M, Sectio	ons 12, 13, 24 I	* .
9.	Use will be from January 1 Month and D January 1 Use was permitted from January 3	 Day 1	to Decei	Month and Day nber 31	or each year.
10.	Use was permitted from Mont	th and Day	to	Month and Day	of each year.
11.	Description of proposed works. (Under t	the provisions of	NRS 535.010 y	ou may be required to su	bmit plans and
10	specifications of your diversion or storage casing to 1200', 13 3/8' formation and 82" open pipes and flumes, or drifted well, etc. to plant. Estimated cost of works. \$2 Mil.	works.) Geotle to 6850' hole to p	hermal we. State manner in which ,9 5/8" to roduction	11 will be cased water is to be diverted, i.e., diversion the top of the Fluid will be	d with 20" on structure, ditches, e Jurassic piped
13.	Estimated time required to construct work	ks 2 mont	<u>ns</u>		

14. Estimated time required to complete the application of water to beneficial use				
15. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or a consumptive use.				
Well will provide geothermal fluid to Dixie Valley Power Plant as				
the pressure in existing well declines. Total consumptive use of				
the reservoir will not exceed that already permitted for existing				
wells.				
By /s/ Bruce D. Bargen, Agent				
Compared mpm/ bp/se Reno, Nevada 89502				
•				
Protested				
APPROVAL OF STATE ENGINEER				
This is to certify I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions: This permit to change the point of diversion and place of use of the waters of an underground source as heretofore granted under Permit 41920 is issued subject to the terms and conditions imposed in said Permit 41920 and with the understanding that no other rights on the source will be affected by the change proposed herein. This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and consumed for a beneficial use. The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the (CONTINUED ON PAGE 2)				
The amount of water to be changed shall be limited to the amount which can be applied to beneficial use, and not to				
exceed 3.25 cubic feet per second , but not to exceed a consumptive				
use of 235 acre-feet annually.				
Work must be prosecuted with reasonable diligence and be completed on or before				
Proof of completion of work shall be filed before December 21, 1990				
Application of water to beneficial use shall be made on or before				
Proof of the application of water to beneficial use shall be filed on or before				
Map in support of proof of beneficial use shall be filed on or beforeN/A				
Completion of work filed				
Proof of beneficial use filed FEB 0 6 1991 State Engineer of Nevada, have hereunto set my hand and the scal of my				
office, this 22nd day of September,				
Certificate No. 18916 Issued JUL 26 1991 A.D. 19 89				
State Engineer				

(Rev. 6-81

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(PERMIT TERMS CONTINUED)

injection well and/or other analyses of the system used for returning the used geothermal fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 2353 acre-feet per year but the total combined consumptive use of the geothermal fluid under permits 41929, 43050, 43052, 46951, 47142, 47322, 47323, 48932, 48933, 48934, 48935, 49572, 49573, 49644, 49802, 49803, 50753, 51029, 51030, 51031, 51032, 51033, 51034, 51035, 51036, 52411, 52412 and 52951 shall not exceed 10,704 acre-feet annually. The State Engineer does not waive the right to make a determination of consumptive use at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

